

**List of Current Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 5 (Cancelled)

6. (New) A pressure measuring unit, comprising:  
a metal housing; and  
a ceramic pressure sensor held in said metal housing, wherein:  
the surfaces of said metal housing which come in contact with a medium, whose pressure is to be measured, during measurement, are provided with a coating of one enamel and a glassy material.
7. (New) The pressure measuring unit as claimed in claim 6, wherein:  
said housing is a flange to be secured at a measuring location;  
said ceramic pressure sensor is installed in said flange; and  
surfaces of said flange which come in contact with the medium are provided with said coating.
8. (New) The pressure measuring unit as claimed in claim 6, wherein:  
said housing has a process connection, and  
surfaces of said process connection which come in contact with the medium at a measurement location are provided with said coating.
9. (New) The pressure measuring unit as claimed in claim 7, wherein:  
the pressure sensor is a differential pressure measuring cell;  
said housing has two side flanges, between which said ceramic pressure sensor is clamped; and  
surfaces of said side flanges which come in contact with the medium at the measurement location are provided with said coating.

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10. (New) The pressure measuring unit as claimed in claim 6, wherein:  
said housing comprises steel or stainless steel.